

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE  
(Rev. 2-32) PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.  
1146-4 DIV/CONSERIAL NO.  
09/489,588INFORMATION DISCLOSURE  
STATEMENT BY APPLICANTAPPLICANT  
Shults et al.

CONFIRMATION NO.

(Use several sheets if necessary)

FILING DATE  
January 21, 2000GROUP  
1744

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	4,353,888	10/12/82	Selfton			RECEIVED
	4,431,004	02/14/84	Bessman et al.			AUG 21 2001
	4,436,094	03/13/84	Cerami			TECHNOLOGY CENTER R3700
	4,484,987	11/27/84	Gough			
	4,686,044	08/11/87	Behnke et al.			
	4,703,756	11/03/87	Gough et al.			
	4,757,022	07/12/88	Shults et al.			
	4,787,398	11/29/88	Garcia et al.			
	4,803,243	02/07/89	Fujimoto et al.			
	4,823,808	04/25/89	Clegg et al.			
	4,902,294	02/20/90	Gosserez			
	4,994,167	02/19/91	Shults et al.			
	5,190,041	03/02/93	Palti			
	5,314,471	05/24/94	Brauker et al.			
	5,321,414	06/14/94	Alden et al.			
	5,344,454	09/06/94	Clarkeet et al.			
	5,380,536	01/10/95	Hubbell et al.			
	5,417,395	05/23/95	Fowler et al.			

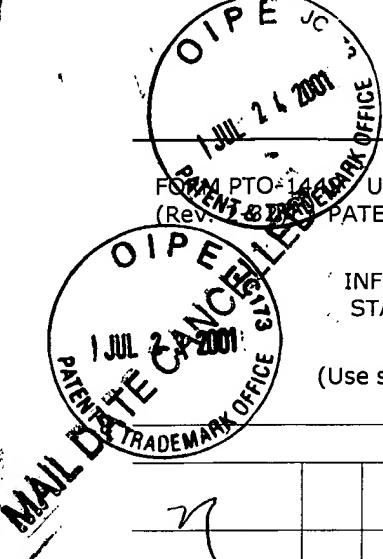
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FORM PTO-146 U. S. DEPARTMENT OF COMMERCE  
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	5,421,923	06/06/95	Clarke et al.			
	5,431,160	07/11/95	Wilkins			
	5,453,278	09/26/95	Cham et al.			
	5,462,064	10/31/95	D'Aneglo et al.			
	5,469,846	11/28/95	Khan			
	5,476,094	12/19/95	Allen et al.			
	5,497,772	03/12/96	Schulman et al.			
	5,545,223	08/13/96	Neuenfeldt et al.			
	5,549,675	08/23/96	Neuenfeldt et al.			
	5,569,462	10/29/96	Martinson et al.			
	5,578,463	11/26/96	Berka et al.			
	5,593,440	01/14/97	Brauker et al.			
	5,653,756	08/05/97	Clarke et al.			09/02/94
	5,660,163	08/26/97	Schulman et al.			05/18/95
	5,713,888	02/03/98	Neuenfeldt et al.			06/05/95
	5,733,336	03/31/98	Neuenfeldt et al.			03/30/95
	5,741,330	04/21/98	Brauker et al.			06/07/95
	5,782,912	07/21/98	Brauker et al.			03/17/94
	5,800,529	09/01/98	Brauker et al.			06/07/95
	5,807,406	09/15/98	Brauker et al.			06/07/95

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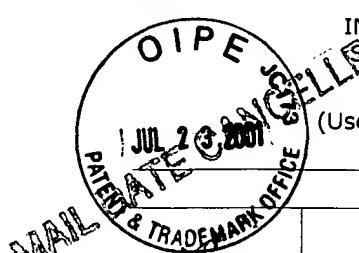
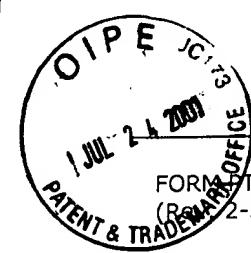
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	5,882,354	03/16/99	Brauker et al.	✓	10/07/94	AJR 21 2001 TECHNOLOGY CENTER 9200
	5,964,261	10/12/99	Neufeldt et al.	✓	06/07/95	
	6,122,536	09/19/00	Sun et al.	✓		
	6,208,894	03/27/01	Schulman et al.	✓		
	6,212,416	04/03/01	Ward et al.	✓		
	6,256,522B1	07/03/01	Schultz	✓	08/17/96	
3	6,259,937	07/10/01	Schulman et al.	✓		

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION	
						YES	NO
✓	WO 90/00738	01/25/90	PCT	✓			
	WO 92/07525	05/14/92	PCT	✓			
	WO 92/13271	08/06/92	PCT	✓			
	WO 94/22357	10/13/94	PCT	✓			
	WO 96/01611	01/25/96	PCT	✓			
	WO 96/32076	10/17/96	PCT	✓			
✓	WO 96/36296	11/21/96	PCT	✓			

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

✓		Updike et al., "Laboratory Evaluation of New Reusable Blood Glucose Sensor," <i>Diabetes Care</i> , 11:801-807 (1988).
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Armour et al., "Application of Chronic Intravascular Blood Glucose Sensor in Dogs," *Diabetes* 39:1519-26 (1990).

Woodward, "How Fibroblasts and Giant Cells Encapsulate Implants: Considerations in Design of Glucose Sensor," *Diabetes Care* 5:278-281 (1982).

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Shults et al., A Telemetry-Instrumentation System for Monitoring Multiple Subcutaneously Impaired Glucose Sensors, *IEEE Trans. Biomed. Eng.* 41:937-942 (1994).

Phillips and Smith, "Biomedical Applications of Polyurethanes: Implications of Failure Mechanisms," *J. Biomat. Appl.* 3:202-227 (1988).

Stokes, "Polyether Polyurethanes: Biostable or Not?," *J. Biomat. Appl.* 3:228-259 (1988).

Updike et al. Enzymatic Glucose Sensors: Improved Long-Term Performance In Vitro and In Vivo, *Am. Soc. Artificial Internal Organs* 40:157-163 (1994).

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		Tse and Gough, Time-Dependent Inactivation of Immobilized Glucose Oxidase and Catalase, <i>Biotechnol. Bioeng.</i> 29:705-713 (1987).
		Gilligan et al., "Evaluation of a Subcutaneous Glucose Sensor Out to 3 Months in a Dog Model," <i>Diabetes Care</i> 17:882-887 (1994).
		McKean and Gough, "A Telemetry-Instrumentation System for Chronically Implanted Glucose and Oxygen Sensors," <i>IEEE Trans. Biomed. Eng.</i> 35:526-532 (1988).
		Shichiri et al., "Telemetry Glucose Monitoring Device with Needle-Type Glucose Sensor-A Useful Tool for Blood Glucose Monitoring in Diabetic Individuals," <i>Diabetes Care</i> 9:298-301 (1986).
		Lyman, "Polyurethanes. I. The Solution Polymerization of Diisocyanates with Ethylene Glycol," <i>J. Polymer Sci.</i> 45:49 (1960).
		DuPont <sup>1</sup> Dimension AR® (Catalog).
		Direct 30/30® meter (Markwell Medical) (Catalog).
		Fischer et al., "Oxygen Tension at the Subcutaneous Implantation Site of Glucose Sensors," <i>Biomed. Biochem.</i> 11/12, 965-972 (1989).
		Brauker et al., "Neovascularization of Synthetic Membranes Directed by Membrane Microarchitecture," <i>Journal of Biomedical Materials Research</i> 29:1517 (1995).
~		Abstract presented by James Brauker, Ph.D., "Neovascularization of Cell Transplantation Devices: Membrane Architecture-Driven and Implanted Tissue-Driven Vascularization," Baxter Healthcare Corp.

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Brauker et al., "Local Inflammatory Response Around Diffusion Chambers Containing Xenografts", Transplantation, Vol. 61, 1671-1677, No. 12, June 27, 1996.



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